



Apifonica Mobile SDK iOS platform

User guide of Apifonica CallOut VoIP service

Version 2.2

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Document Revision History

Date	Version	Description
2015.09.01	1.0.0	Initial version.
2016.02.01	1.0.5	Updated documentation
2016.03.20	1.5	Updated documentation
2016.09.15	2.1	Updated documentation
2017.06.23	2.2	Updated documentation

About the CallOut application

CallOut is a test application designed to show Apifonica API and Mobile SDK capabilities of VoIP service provisioning that could be added to client mobile applications.

The CallOut application can be installed on iPhone devices specified by the customers. The CallOut app demonstrates renting a phone number with "SIP" type. The application allows to make outgoing calls and to receive incoming calls.

It is necessary that the iPhone device has access to 3G/4G/LTE network and/or to Wi-Fi.

Requirements

- Xcode 5 or higher
- iPhone 4 or higher
- iPad 2 or higher.

Features

- Wi-Fi and 3G/4G/LTE connections
- Service with rent of phone number
- Incoming/outgoing VoIP audio sessions
- Audio connection with audio codecs (OPUS/SILK/speex/GSM/iLBC/G722/G711(u/a-law)).
- Supports background mode.

Running CallOut App under iOS platform

To run the app to iPhone, perform the following steps:

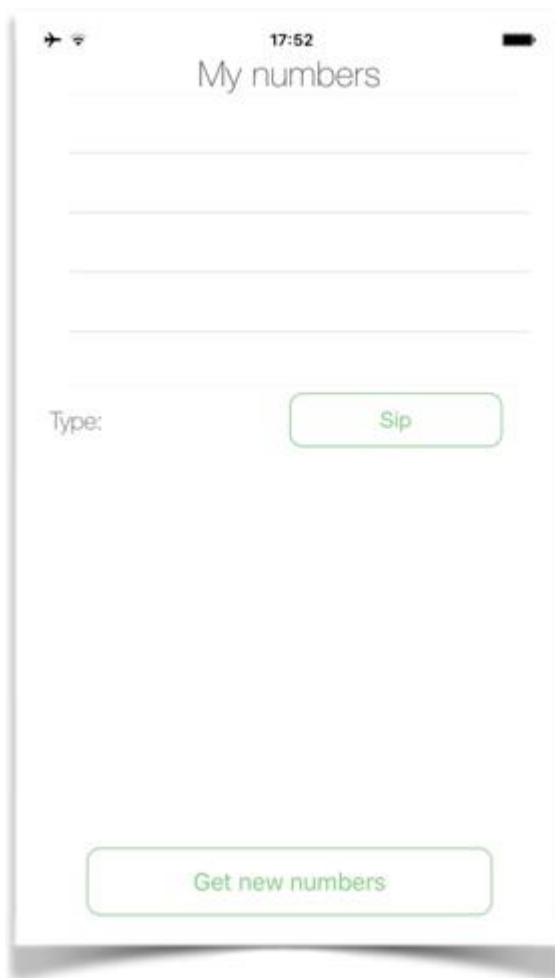
1. Unpack the 'Apifonica_iOS_Mobile-SDK' zip file.
2. Open the '*sample\callout-ios*' project code in the XCode IDE environment. The synchronization process automatically starts.
2. After the synchronization is complete, open the project settings window.
3. On the General tab, replace BundleID with your BundleID.
4. On the Build Settings tab, set provision profiles in the 'Code Signing' parameter group.
5. Correct the '*..\CallOut\CallOut\src\KPCConst.h*' file of your project with your authorize parameters. Replace subscriber parameters (CLIENT_ID, CLIENT_SECRET, APP_ID) with the values you have received after registration on the www.apifonica.com website. Set host name for your server-side websdk in (URL_WEB_SERVER).
6. Run app with the "run" button in the main Xcode IDE interface.

Activating the phone number process

In order to use the CallOut app on the new device, the corresponding phone number should be registered at Apifonica.com service.

To register a number before making the very first call:

1. Launch the CallOut app on the device.
2. Select the phone number you would like to use from the list of "My Numbers".



Select the phone number to use

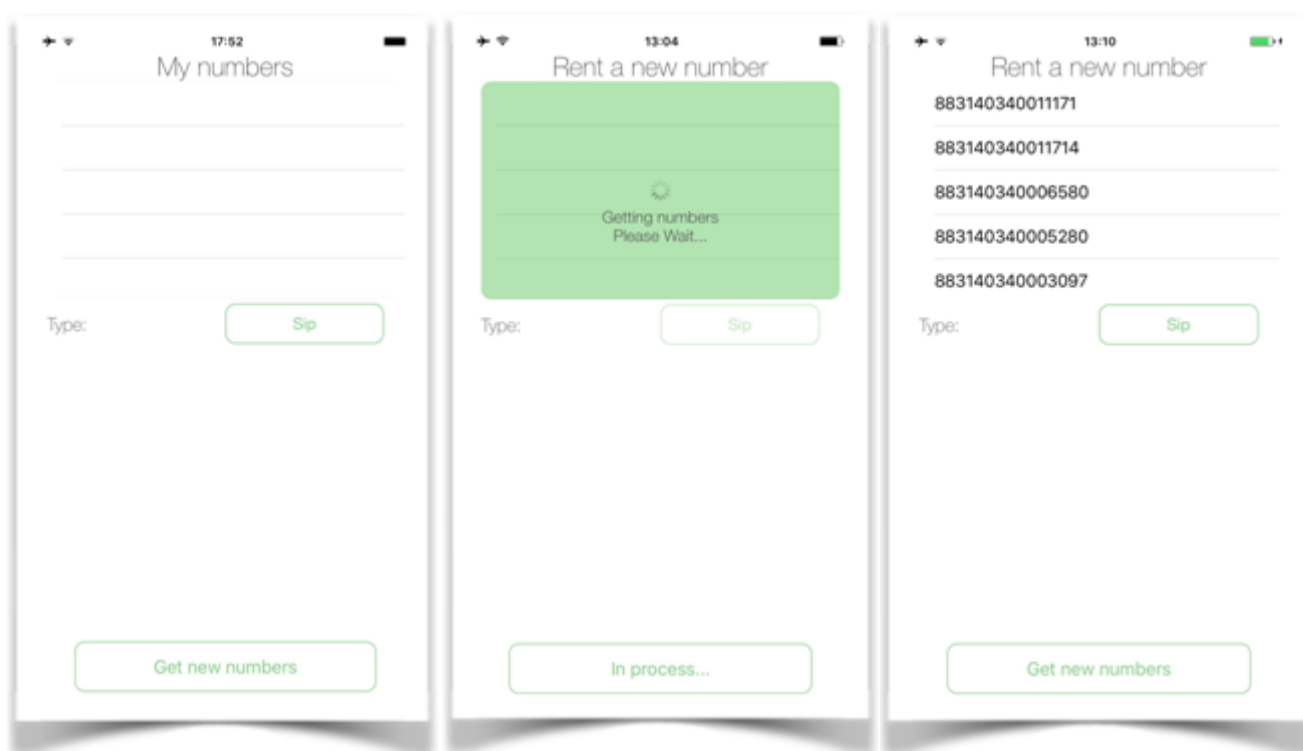
If the list of "My Numbers" is empty then you should first rent any phone number.

Rent a new phone number

The list with available of phone numbers for rent will be show depending from the current "Sip" type.

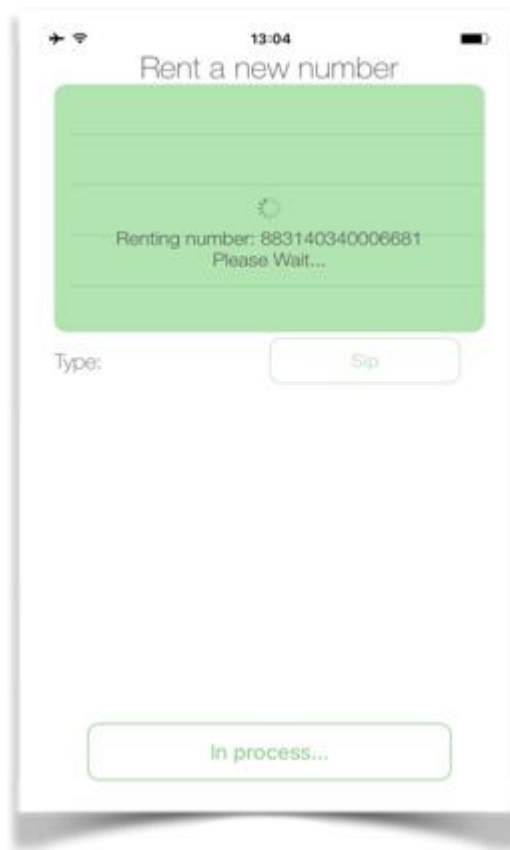
Rent a new phone number with "SIP" type

Press the "Get new number" button to get list with available of phone numbers for rent with "SIP" type.



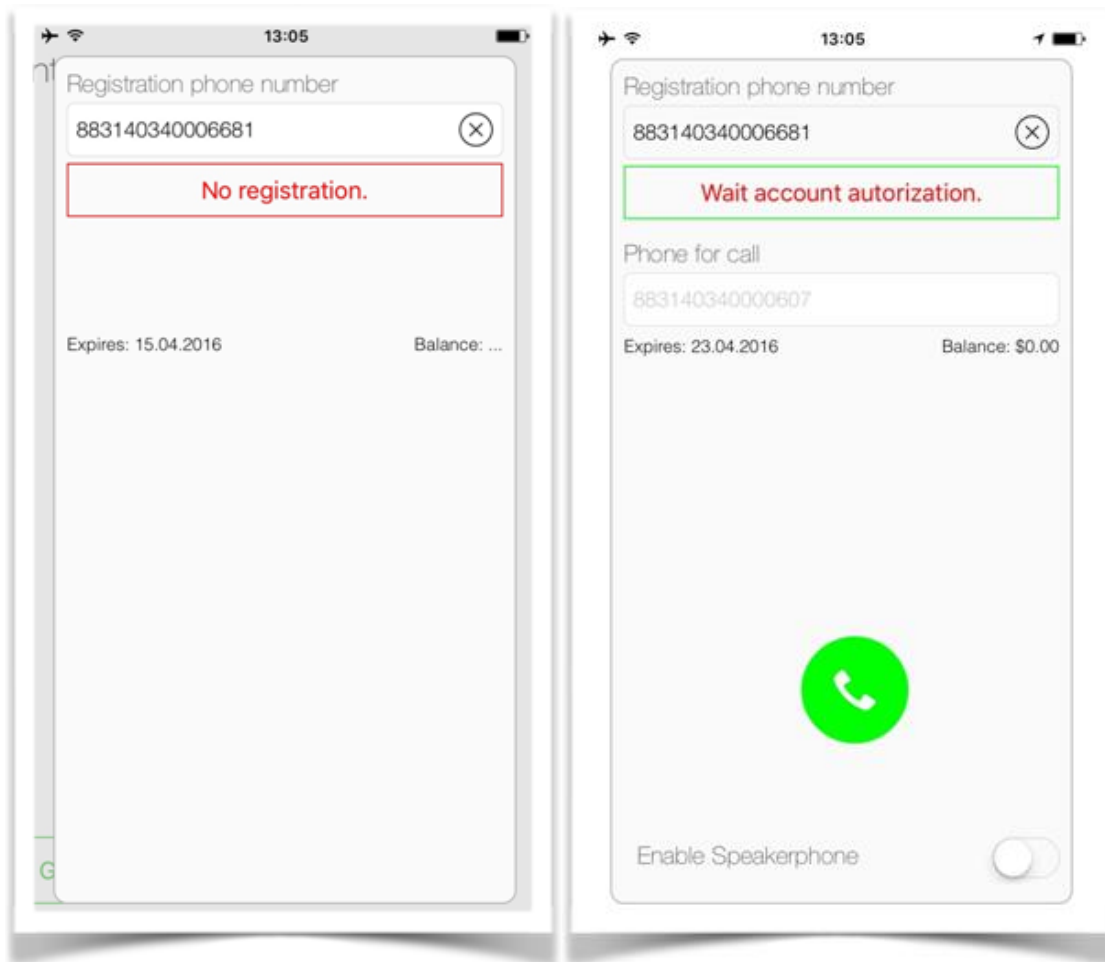
Rent the phone number with "SIP" type

Click on field with phone number for his rented and activated. In result the authorization process of phone number begins.



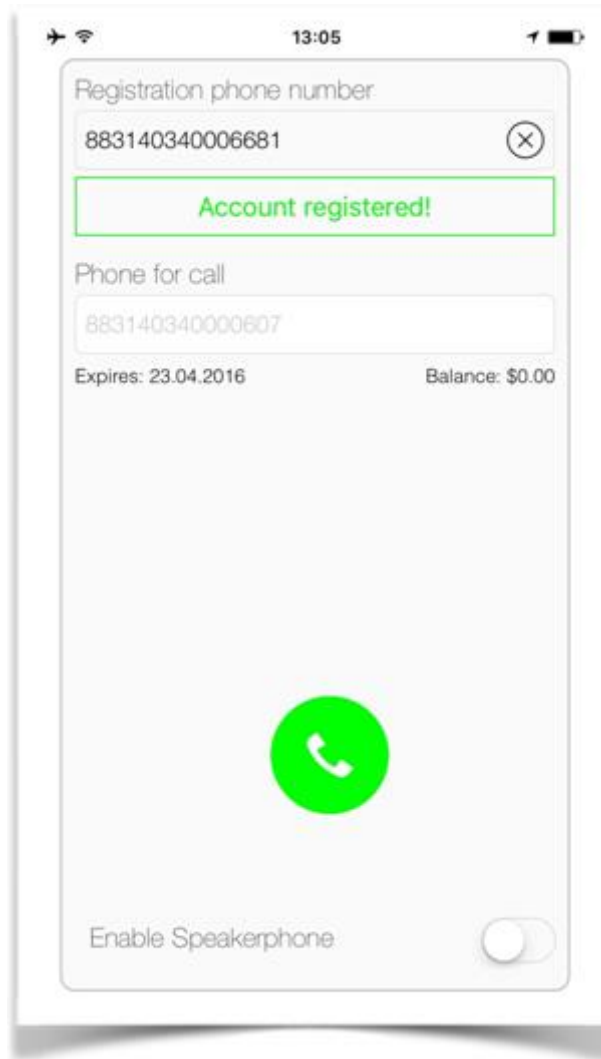
Renting the phone number

The registration start window is displayed, and then the authorization process of phone number begins.



The phone number authorization process

In case the phone number is successfully activated, the app displays the corresponding message and the phone number entry field as well as the Call button.



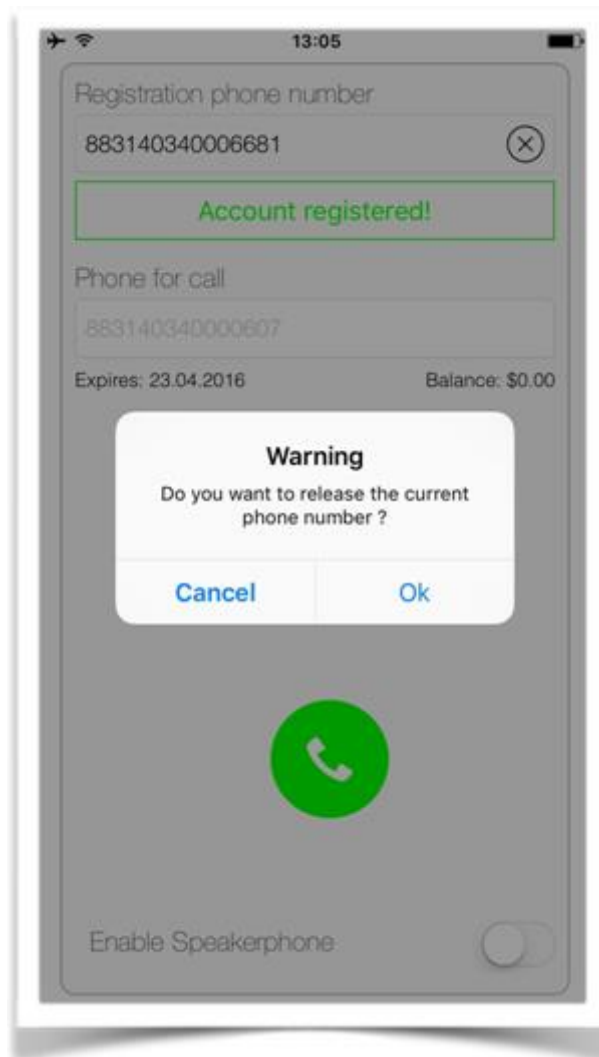
The phone number is successfully activated

After the phone number is successfully activated, you can initiate calls to other phone numbers

To logout the phone number

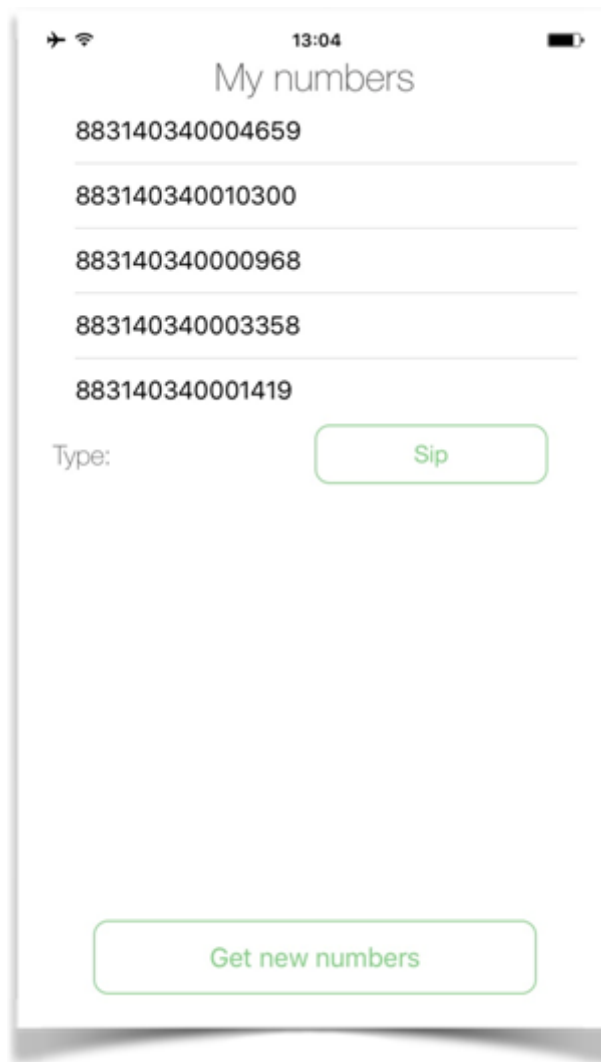
Press the "X" sign right to the phone number. The warning message is displayed.

Press Ok.



To logout the phone number

In result you can rent a new phone number or activate another phone number from "My Numbers" list.



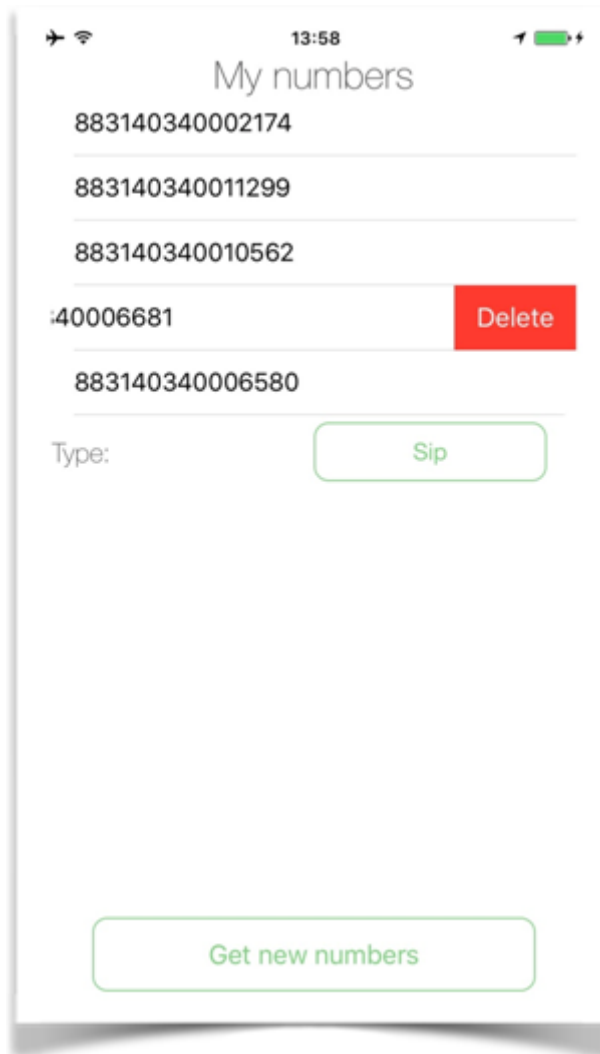
Select another phone number for activation

Click on the phone number, which you would like, for his activation. In result the authorization process of phone number begins.

Releasing of the rented phone number

Important! By releasing the rented number, the application user irretrievably loses the opportunity to use the current number.

Select the phone number you would like to release from the list of "My Numbers". Press "Delete" button.



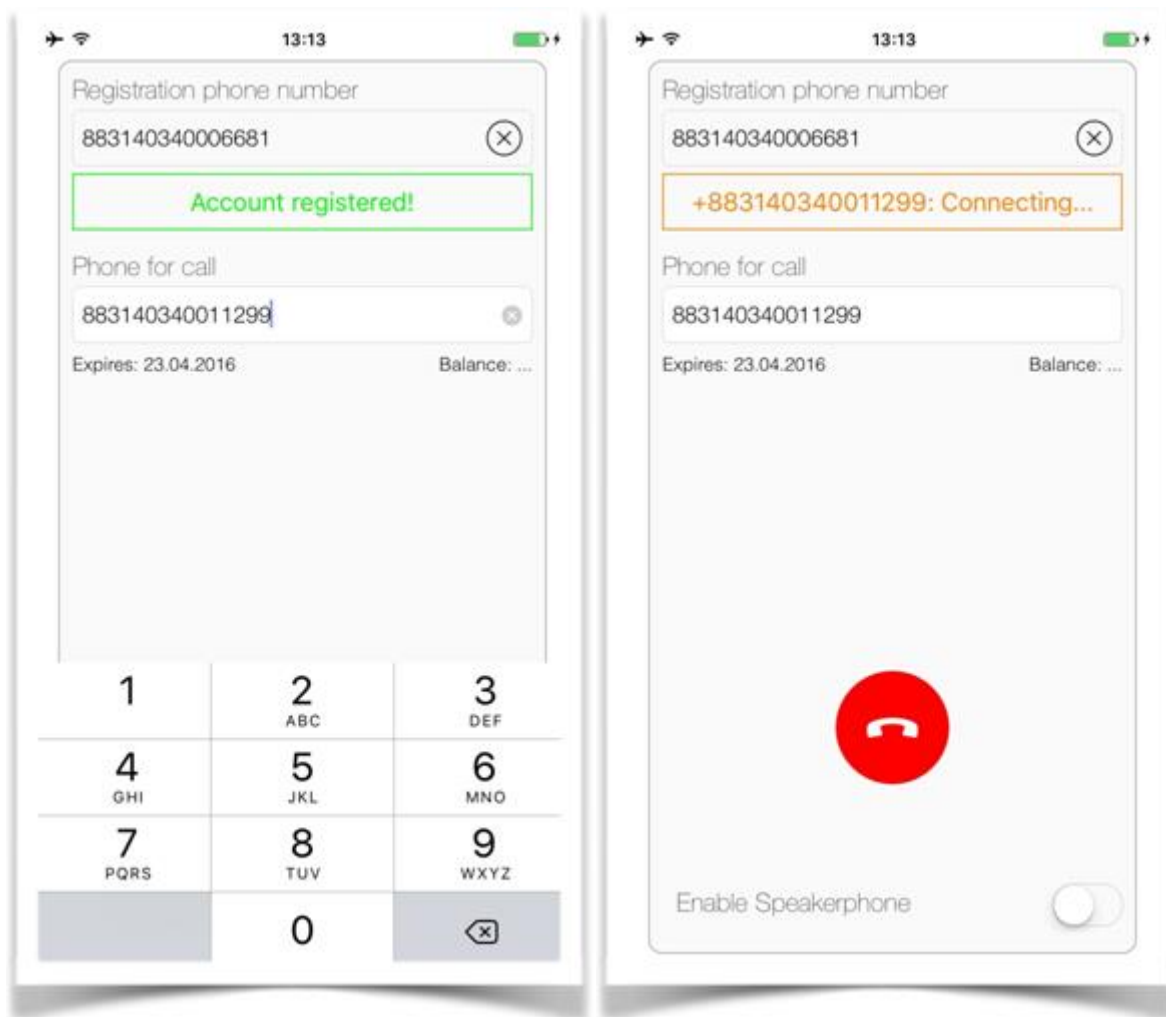
Releasing the rented phone number

Using of CallOut app to make calls

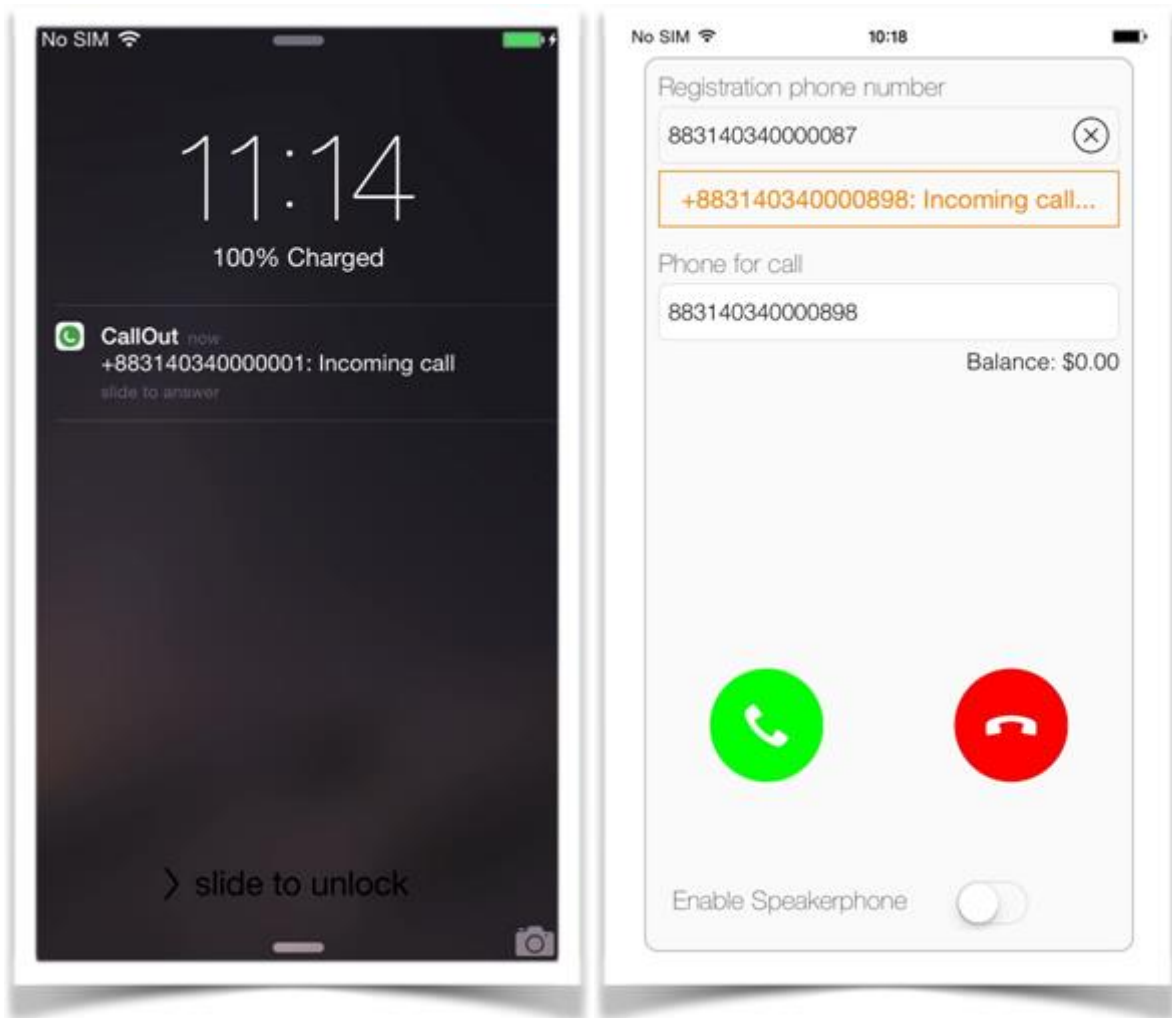
After the phone number is successfully registered, you get the opportunity to perform the following:

Initiate outgoing calls from the CallOut app to other phone numbers.

Accept incoming calls from other SIP numbers, also when the app is running in the background mode.



Making a outgoing call



Accepting an incoming call